

## UCC Broadening Operating Base

### Huge Fluorocarbons Plant To Be Built

Plans to build a 50,000,000-pound-per-year unit to manufacture fluorocarbons have been announced by D. B. Benedict, President of Carbide and Carbon Chemicals Company, a Division of Union Carbide and Carbon Corporation. The fluorocarbons production unit is to be built at the Institute, W. Va., plant of Carbide and Carbon and is expected to be in operation by the latter half of 1958.

"The market for fluorocarbons as pressuring components for aerosols and as refrigerants has grown amazingly in the last 12 years," Mr. Benedict said, "and with Carbide's planned unit the total United States capacity will exceed 300,000,000 pounds per year."

#### Program Is Expanding

This latest step in a continuing expansion program by divisions of Union Carbide spotlights the Corporation's broadening base of operations. In 1956, Union Carbide spent \$144,000,000 for new construction of facilities in the United States, Canada, and overseas. In 1957, it is expected that an even larger amount will be spent for construction of new production facilities.

Union Carbide's entry into the fluorocarbons field is based upon realization of the broad possibilities of fluorine chemistry. Organic chemical products containing fluorine are exceptionally resistant to high temperatures and corrosive attack. Advantage is taken of the inertness of fluorocarbons in their use as aerosol propellants and refrigerants.

#### Much Spent For Research

In 1956 Union Carbide invested \$55,000,000 in research for all segments of its large and continuing program. It is expected that in 1957 at least an equal amount will be spent on these activities.

The increasing use of refrigeration and air-conditioning in homes and industry has created a wide demand for fluorocarbon refrigerants. Since World War II a second large market developed for fluorocarbons as the pressuring component in aerosol packages. The consumer now has at the touch of a finger tip, a multitude of convenience products for many, modern, easy-to-use products.

#### Experience Is Valuable

Because of the long-term experience of Union Carbide in handling liquefied gases the Company is in a favorable position in this marketing area. From its earliest beginnings, Union Carbide has had wide experience in the production, handling, and distribution of bulk and cylinder quantities of both compressed and liquefied gases. Union Carbide's experience in this field will be helpful in meeting the very rigid specifications for fluorocarbons now existent in the propellant and refrigerant fields. In addition, Union Carbide has an established distribution network already set up which now handles similar gaseous products. In the United States it has 120 bulk stations and a total of more than 1,000 warehouses from which to choose locations to provide prompt delivery service to users of fluorocarbons.



FELLOW EMPLOYEES IN THE BUILDING AND GROUNDS carpenter shop presented Homer Green, center, the handsome easy chair in which he is seated as a going-away gift before his retirement this Friday, March 29.

## Homer Green, Veteran Y-12 Employee, To Retire From Company Friday, March 29

### Fellow Employees Bestow Best Wishes And Future Happiness To Retiring Man

Another veteran Y-12 employee having reached the normal retirement age will be leaving the plant this Friday, March 29. He is Homer Green, a carpenter in the Buildings and Grounds Department, which is a part of the Maintenance Division. Green was first hired in Y-12 on May 9, 1945, leaving through a reduction in force on May 28, 1946, and then returning to the plant on June 23, 1950.

#### Green Receives Well Wishes

Fellow employees of Green in the Buildings and Grounds Department presented him with a beautiful red lounging chair on the eve of his retirement last week. After the ceremony Green received many well wishes for continued good health and the best of luck for future success in his endeavors.

Green was born on March 13, 1892, in Benton, Tennessee, which is in Polk County. He attended Oak Grove and Sage Hill Schools in Polk County. Green has spent 18 years in the contracting business for himself and also has worked at various times for firms in Maryville and Knoxville.

#### Has Purchased Farm

Green has purchased a 150-acre farm near Dayton in Rhea County where he is going to spend his retirement days and as he stated last week "I'm going to stay busy on the farm raising a few calves and making a small crop for myself." He also stated "the people have been wonderful to me here in Y-12 and I have enjoyed working in the plant a great deal. I will miss the association of such a fine group."

Green has a fine family of eight children. They are Mrs. Edna Barrett, Mrs. Lois Grizzle, Mrs. Mary Chapman, Leonard, Winston, J. P., Eldon and Ray.

## Y-12er's Daughter To Get DAR Award Pin Thursday

A daughter of a well-known Y-12er will be honored by the Clinch Bend Chapter of the Daughters of the American Revolution tomorrow, Thursday, March 28, when Miss Ann Tippy will receive a pin from the DAR signifying her being chosen for the chapter's Good Citizenship Award. The Oak Ridge High School senior is the daughter of R. R. Tippy, of the Finance and Materials Division, and was voted the award by fellow students for honor, courage, leadership and patriotism.

The pin will be presented Miss Tippy at a special luncheon by the chapter at the Mayflower Rathskeller. A similar award will be made to Miss Peggy Ann Martin, of Norris High School.

## Y-12er's Quick Work Of Reporting Blaze Lessens Damage

Quick thinking and action by Arthur "Shorty" Rogers, Laboratory Operations, kept a Knox County restaurant fire damage from being more extensive than it was early on the morning of Monday, March 18. Rogers, who lives in the Powell Community, was on his way to work at 4:50 a.m. that morning and while passing the Waldorf Restaurant, popular eating place on the Knoxville-Clinton Pike, saw flames shooting up from the rear of the restaurant. Although four other cars had stopped at the scene, no one had sounded an alarm. Rogers dashed to the office of the Clark Motel, across the highway and operated by Kenneth Clark, a neighbor of the Y-12er, and phoned the Norwood Fire Department, which quickly answered the alarm and extinguished the blaze. Of course, Rogers received warm thanks for his deed from the restaurant owner, who arrived soon after the fire was reported.



Arthur Rogers

The 18th Union Carbide Safety Period of more than 1,500,000 man-hours of plant operations without a disabling injury was established from October 30, 1956, to January 10, 1957, inclusive, when 2,239,139 hours of accident-free work were performed. The 19th Period extended from January 13 to March 12, inclusive, with 1,845,677 man-hours of work with no lost-time accidents.

## Y-12ers To Pick Two Of 15 Articles As UCNC Individual Safety Awards

### Selection Cards for 18th And 19th UCC Safety Periods Awards Will Be Distributed Shortly

With 15 attractive articles offered as choices, eligible Union Carbide Nuclear Company employees in the Y-12 Plant Area who helped establish the 18th and 19th Union Carbide Safety Periods will pick two items, one for each period, in signing their next safety award selection cards within the next few days. In addition to being pictured in The Bulletin, the 15 articles to be offered as individual awards will be displayed at the Cafeteria and also rotated around the five Y-12 portals for exhibit.

Here are the 15 articles to be offered as individual safety awards:

1. Fleetwood brewmaster with a two-ounce jar of instant coffee.
2. Stadium cushion of foam rubber with a carrying handle.
3. Cookie and pastry cut-out set.
4. Pruning shears.
5. Floating minnow bucket.
6. Child's automobile seat.
7. File for slides and mounted pictures.
8. Hardwood carving board with stainless steel fittings.
9. Alarm clock, four and one-half inches high.
10. Zippo cigarette lighter.
11. Wide-mouth thermos food jar, one quart capacity, suitable for soups, chile and similar foods, likewise for liquids.
12. Traveller's shoe shining kit.
13. Salt and pepper shaker set of birchwood with moisture proof covers.
14. Fisherman's scales and rule.
15. Kleenster with four-way adjustable handle, rubber grip, sponge and rubber squeegee edge, can clean outside of windows from inside.

A feature of the offering for the 18th and 19th UCC Safety Periods is that any UCNC employee eligible for the awards may pick two of the same items if desired—such as two of the stadium cushions or two of the children's automobile seats.

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#### BIG EXPANSION SEEN

United States business firms expected to spend at a record annual rate of \$38,000,000,000 during the first quarter of 1957 for new plants and equipment, government economists report. This compares with capital outlays of \$35,000,000,000 in 1955.

## SAFETY SCOREBOARD

The Y-12 Plant Has  
Operated

12 Days Or  
362,760 Man-Hours  
(Unofficial Estimate)

Without A Disabling  
Injury

Through March 24

Phone 7755

For Daily Report  
On Accident-Free Hours

## Early Action Urged On School Aid Bids

### Educational Assistance Deadline Set April 12

Eligible Y-12ers desiring to take advantage of the Union Carbide Nuclear Company Educational Assistance Plan for the Spring Quarter of studies are urged to file their applications early so as to be able to enroll during registration periods. A deadline of April 12 has been set for receipt of these applications.

Y-12ers wishing to enroll in approved courses under the Educational Assistance Plan or seeking information on the enrollment requirements or details of courses may communicate with Ralph Pearson, Training Department, plant telephone 7751, or other members of the Training Department.

To be eligible for the plan benefits, Y-12ers must be on the salary roll and have at least six months of Company Service Credit. Approval by direct and divisional supervision and also the Y-12 Plant Superintendent is required.

Approved courses are described as those that will enable an employee to better himself in his present job or for some other job with the Company. There are a wide variety of such courses offered by the University of Tennessee Division of University Extension, the university's Graduate School, the Oak Ridge Adult Education Program and some correspondence and business schools.

## Physics Seminar Books Talk By Brookhaven Scientist

A Brookhaven National Laboratory scientist will address a special meeting of the Oak Ridge Physics Seminar scheduled for Thursday, March 28. The meeting this week, moved up from the usual Friday date, will be held at 3:15 p.m. in the auditorium of Building 4500, Oak Ridge National Laboratory. The speaker will be M. J. Moravcsik and his subject will be "Recent Additions to the Theory of Pion Photoproduction." Y-12ers interested in the subject are invited to attend the seminar session.

## SPRING DISHES OFFERED ON SPECIAL LUNCHES

Two tasty spring dishes will be offered as entrees on the 50-cent Special Lunches at the Y-12 Cafeteria tomorrow, Thursday, March 28, and again next Tuesday, April 2. The main dish tomorrow will be fricasse of veal and next Tuesday scrambled eggs and diced ham will be served. Each Special Lunch also includes one vegetable, choice of salad or dessert and rolls and butter.



# The Bulletin

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Y-12 Employees Of  
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Corporation

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## April Is Featured By Special 'Weeks' And Anniversaries



April showers bring May flowers—and April also brings a notable collection of special "weeks" as well as important anniversary dates.

What better way to start off a month than to observe National Laugh Week, beginning on Monday, April 1. Good chuckles and laughs are good medicine for all. Then another "week" worthy of observance is National Noise Abatement Week from April 7 through April 13—automobile horn honkers please take notice. The week of April 21-27 is set aside to pay tribute to a classification of workers to whom much praise should be given—secretaries—as the period is designated National Secretaries Week.

The diamond is the birthstone of the month and the flower is the gentle sweet pea.

Several important events occurred during April—so here are some of those anniversaries—

April 1, 1945—The island of Okinawa in the Pacific was invaded by United States forces in the final land campaign of World War II that led to the crushing of the Japanese.

April 6, 1909—United States Admiral Robert E. Peary discovered the North Pole.

April 15, 1912—The White Star luxury liner of its day, the Titanic, struck an iceberg off Newfoundland on its maiden voyage and sank with the loss of 1,517 lives.

April 24, 1833—Two American inventors were granted a patent on the first soda fountain in the country.

April 30, 1789—George Washington was inaugurated as the first President of the United States in ceremonies in New York City.

## 10 Years Service

Congratulations to **Francis M. Tench, Jr.**, who will complete 10 years of Company Service on March 31.



**Sign in Cincinnati nitery—**  
"Don't leave while the room is still moving."

However, the old CC still is moving around—and will move around the Back 40 to find out what's being going on.

### FINANCE AND MATERIALS

**O. Weldon**, of the Mail Room, is vacationing to become acquainted with his new daughter born March 14 at Oak Ridge Hospital . . . Congratulations to the son of **Oral Hartman**, who graduated from the University of Tennessee March 16 . . . Get well wishes to **Sara Keith**, laid up with a misery.

More get well wishes to **Dot Park**, former Mailer now with Plant Records—she's also been puny.

**Juanita Fox**, of the Catalog Section of Stores, paid a recent weekend visit to her husband in the Army at Ft. Chaffee, Ft. Smith, Ark. . . **D. C. Wolfenbarger** is the vacationer of the week . . . Rapid recovery wishes go to **G. L. Edwards** and **R. E. Dripps**, both customers at Oak Ridge Hospital. Receiving and Shipping welcomes **T. H. Bettis** back to the job after a stay in the Loudon, Tenn., Hospital . . . **J. A. Duncan** is reported rapidly recovering at Harriman Hospital from back injuries sustained in a recent fall . . . **Jack H. Partin** is receiving congratulations on his marriage March 13—no further details.

Property Sales reports **Jim Garner** has another tax deduction—a seven-pound boy arrived in the family March 20 . . . **J. D. "Fisherman" Collins** is bragging over the capture of several minnow-size saugers recently—and is trying to convert **Morris "Ingot" Perry** to the angling activities as Perry (if we get sued for libel, Morris, blame somebody else, it is supported by an affidavit) is reported too old for that strenuous sport of softball and is recommended for the more subdued sport . . . Speaking of angling, the department hopes **Charlie Butler** will be back soon from that illness of his—his pal **Harold Borum** is alleged to be getting fish hungry and depends on Charlie as SOS (Source of Supply) . . . **Ben Hope**, his wife and daughter, are basking in Florida springtime at Jacksonville and Ft. Lauderdale.

### SHIFT SUPERINTENDENTS AND GENERAL UTILITIES

The Steam Plant's whistle must have tooted louder than usual last week with **W. W. Spradlin** sitting on top—he was blown to an undisclosed vacation destination . . . Rapid recovery wishes go to ailing **C. G. Wilson**.

Ol' **McDuncan (H. D.)** Plant Shift Superintendents Office, has a farm—he bought it recently.

### ALLOY

First of all, Alpha Four put out the welcome mat last week for its new co-op, **Charles Hardin**, from the University of Tennessee, who will be around for six months . . . **H. M. Frieks** and **L. A. Howard** are welcomed back after recent illnesses . . . Another smiling face—**T. W. Osborne**—is welcomed back from vacation and beaming over the arrival of a new baby girl in the family—**Deborah Suzanne** was born March 9, weighing six pounds, two ounces . . . **Jack Owens** (not J. C.) came back with a sunburn after a fishing trip March 15 and 16—and also caught some fish . . . **Al Brown** and family are vacationing in Chicago . . . Last week's vacationers included **J. C. (not Jack) Owens** in Knoxville and **W. A. Gilreath** in Oak Ridge . . . Sincere sympathy is sent to **John Pyatt**, whose grandfather died recently.

**John Turpin**, Alpha Five, and family are vacationing up in Trenton, N. J. . . Co-op students were

swapped last week—**Harold Fell** returned to Alabama Polytechnic Institute at Auburn and **Ray Tiller** was welcomed from UT for another term . . . Another welcome went out to new employee **John Ruthven** . . . Get well wishes are sent to **P. J. Bertin**.

### MAINTENANCE

**W. R. Jones**, Research Services, vacationed recently seeing the sights—and there are sights to see there—down in New Orleans . . . Others who got away for rests were **F. H. DeFord**, **Ralph Jeffries** and **H. L. Browder** . . . Oooh, there's a flock of puny people around the place—**W. R. Malcolm**, **J. C. McBryar**, **E. T. Wallace**, **D. B. Blackburn**, **L. M. Thompson**, **H. T. Potter** and **W. V. Braden** . . . Thinking of kin folks of Researchers, get well wishes are also sent to the wife of **E. K. Whitson**, the mother of **J. W. Gibson** and the wife of **T. E. Walsh**.

Maintenance Planning extends a "howdy" to newcomer **Bill Brooks** . . . **H. W. Caldwell** still is mumbling "Your Honor, we have reached verdict" after doing some jury duty . . . The department extends condolences to **Sarah Corum**, whose mother died recently, and also to **C. H. Cottrell** on the death of his mother . . . Get well wishes are sent to **Edna Tyler**, on the sick list . . . Likewise to the father of **Mildred White**, much improved after an illness at his home in Dowlstown, Tenn. . . Everybody down that-away is glad to see **Clyde Brewer** is back after an illness.

Process Maintenance sends get well wishes to **E. C. Barnes**, in a hospital at Corbin, Ky., **A. P. Wippel**, **V. L. Peppers**, also hospitalized . . . Also to **D. H. Pierce** and **J. D. Roesler**, likewise out for some time . . . On the other hand "how you doin' boy?" greetings are extended **J. L. Wade**, out ill several weeks . . . **J. V. Welch** and family spent St. Patrick's Day in Chattanooga . . . **Charley Greene** and **E. Edward** are vacationing over in Nashville . . . Unknown destination vacationers are **O. C. Lee**, **A. Q. Gervin** and **M. Oldham** . . . Weather alibis are presented by **Frank Blair**, **R. A. Wells** and **C. E. Wiggers** over lack of fishing success at Center Hill on a C Shift long break . . . The department extends condolences to **Q. F. Mullins** over the death of his mother-in-law in LaFollette and **G. H. Young** on the death of his wife's mother in Oswego, Kan.

Salvage hopes ailing **C. T. Russell** and **M. Patterson** are back soon after being out ill.

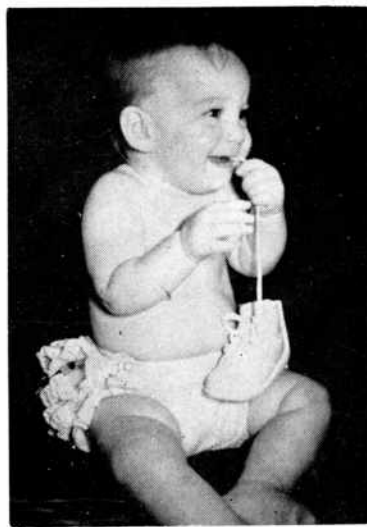
Transportation extends sympathy to **B. C. White**, whose grandmother died recently in Lebanon, Tenn.

### TECHNICAL

The Metallurgical Group of Development welcomes **W. H. Dodson** as a recent transfer . . . **C. P. Coughlen** is vacationing at home . . . The SD Chemical outfit reports **C. F. Piper** vacationing around St. Pat's Day.

Lucky Gal **Anna Ruth Roberson**, Production Analysis, is taking one of those three-week vacations in California . . . **T. H. Barton, Jr.**, is spending a week in Kentucky . . . **E. M. Massey** is off somewhere . . . **Juanita Moore** is vacationing with her ill mother in Mississippi and friends extend best get-well wishes . . . **Elizabeth Patrick** and **Nell Cannon** are back from a Miami Beach vacation . . . Get well wishes are sent **Thelma Cole**, **Anna P. Smith** and **Mary Waldrop**, on the rick list . . . **L. C. Peters** is welcomed back after a hospital stay.

**T. I. Knisley**, Production Assay, and her husband, Mechanical Inspection Department of the Technical Division, week-ended in Virginia . . . **Violet Wright** vaca-



**TWO ENTIRELY DIFFERENT** types of snapshots, both featuring cute youngsters, took first and second place in the Y-12 Weekly Photographic Contest for the week ending March 22. The first prize picture at top is by **T. H. Barton, Jr.**, Production Analysis, and shows his daughter, **Barbara**, fascinated by her shoe. At bottom is a picture by **Paul I. Tinnel**, of Colex Operations, of his son, **Eddie**, enjoying his "Kiddillac" at Christmas. The lad is the grandson of **Vena M. Summit**, of the Cafeteria, who gave him the toy.

tioned in Memphis . . . Real get well wishes are sent to **Mattie Marler** and **Alta Curtis** in Oak Ridge Hospital.

**Ava "Jackie" Jackson Lyons**, Special Testing, and an Old Pal of the Colyum, is sporting one of those cool Elvis Presley haircuts—and she can't even play a guitar.

Laboratory Operations welcomes **Anne Wenzler** back after a week of illness in Oak Ridge Hospital . . . **Arthur "Shorty" Rogers**—see Page One—and his wife recently week-ended in Chattanooga . . . **C. E. Foster**, **Bob Thornton** and **Katherine Dalton** really were given the red carpet welcome treatment after their recent transfer from Production Analysis.

### MECHANICAL OPERATIONS

**C. J. O'Neal**, A Mechanical Operations, is back from a vacation in Texas without bruises . . . The department is glad to hear that **Mrs. C. C. Carter** is at home after a hospital stay . . . Get well wishes are sent **B. O. Griffin** and **G. C. Lay**, home confinements—also to **Mrs. J. S. Kendall** and **Mrs. J. A. Bradshaw** in Oak Ridge Hospital and the mother of **F. E. Morgan** at home in Knoxville after a stay in Ft. Sanders Hospital . . . **L. M. Ledford** is a new home owner in Oak Ridge and **E. W. Phelps** vacationed in Knoxville . . . **H. B. Oliver** took his wife and baby up to Kentucky on a trip to see his folks while vacationing.

**Lyle Lankford** and **O. H. Cunningham** reported some good fishing at Douglas Lake recently . . . **C. D. Wells** vacationed in his recently purchased automobile . . . **E. W. Forbes** made a recent weekend trip to North Carolina to visit his mother . . . **B. A. Murr** and **K. C. Burgess** are back from a Dale Hollow fishing trip—all walls reported intact . . . A sort of sneaky way to report a wedding—but Aspen folks are reported sending sympathy to **C. K. King** over



Get-well wishes are sent to the following Y-12 employees who were patients in the Oak Ridge Hospital last week.

**A. D. Johnson** and **V. L. Peppers**, Process Maintenance; **Robert Dripps** and **G. L. Edwards**, Stores; **A. L. Curtis** and **Mattie Lou Marlar**, Product Assay; **Sam King** and **C. J. Loveday**, Electrical Maintenance; **J. S. Dunlap** and **Alvin Allen**, Mechanical; **Thomas Webber**, General Machine Shop; **Bill Cook**, Product Processing; **Kenneth Smith**, Fire Prevention and Control; **E. E. Ramsey**, Buildings and Grounds; **J. J. Winslett**, B Mechanical Operations; **E. P. Wallace**, Research Services; **J. C. Gibbs**, A Mechanical Operations.

## Y-12ers On A Shift Set Recreation Plans

Y-12ers working on the A Shift are planning a busy summer season this year as far as recreation is concerned. **T. E. Monsey** has been selected to head the recreation committee which will lay plans soon for various recreation activities including picnics, parties, softball, golf, dances, turkey shoots and many other events.

The following is a complete listing of the A Shift Recreation Committee with building numbers and telephone.

Chairman **T. E. Monsey**, Bldg. 9204-2, telephone 7-8485.

Vice-Chairman **J. T. Maxwell**, Guard Dept., telephone 7146.

Committeemen **L. R. Bailey**, General Utilities, telephone 7-8633; **W. M. Boucher**, Bldg. 9211, telephone 7-8259; **W. R. Clevenger**, Bldg. 9201-4, telephone 7-8280; **H. W. Krouse**, Fire Dept., telephone 7791; **M. L. Sweet**, Bldg. 9201-5, telephone 7-8402; **J. E. Thompson**, Bldg. 9201-5, telephone 7-8402.

**O. M. Blackwell** is the A Shift Superintendent and **J. E. Temple** is the Assistant Shift Superintendent. Both have pledged full support of the recreation committee's work and plans.



### HAWORTH-ANDERSON

The former Miss **Margaret Agneta Anderson**, of the Y-12 Materials Department; became the bride of **Troy F. Haworth**, of the K-25 Plant, in a ceremony at Ringgold, Ga., at 8:30 o'clock Saturday night, March 9. The Rev. **W. Henry Norris**, a Methodist minister, officiated.

The bride is the daughter of Mr. and Mrs. **C. Wallace Anderson**, 2139 Linden Ave., Knoxville. Parents of the groom are Mr. and Mrs. **J. F. Howard**, 1304 Broadway, Maryville, Tenn.

For her wedding, the bride wore a light blue taffeta dress and a hat of the same color. She graduated from Knoxville High School and attended Marion College in Virginia. The groom attended Friendsville, Tenn., Academy.

The couple is at home at 108 Vandalia Road, Oak Ridge.

GUIDE THEIR FEET INTO THE  
PATHS OF RIGHTEOUSNESS.



NATIONAL SUNDAY SCHOOL  
WEEK, APRIL 8-14

Continued on Page 4



## Wide Open Contest Seen In Tourney

### All-Carbine Is Expected To Be Best In Years

One of the finest and most closely contested bowling tournaments ever staged in Oak Ridge is expected when the cream of the keggers and keglerettes at Y-12, K-25 and the Oak Ridge National Laboratory do their timber toppling at the Oak Terrace alleys April 6-7 and April 13-14.

Wide open competition is expected from all sides as the bowlers from the other Union Carbide Nuclear Company in Oak Ridge take dead aim on the Y-12 entries. In the 1956 All-Carbine tournament, Y-12ers took four first places in handicap scoring and three in scratch.

The tournament has been sanctioned by the American Bowling Congress and the Women's International Bowling Congress and rules of those organizations will prevail in the All-Carbine event.

#### Trophies, Cash Awards Target

Team contests will be rolled on the first week end of the tournament, April 6 and 7, with doubles and singles being staged the following week end. There will be competition for both men and women with trophies being awarded first place winners in both scratch and handicap scoring in each event. Cash awards will be made on handicap scores only.

## Big Fishing Rodeo Planned By A Shift

Another big fishing rodeo has been planned for Y-12ers working on the A Shift. The event is scheduled to take place at White's Creek in Roane County starting at 12:01 a.m. Monday, April 8, and will last until 3:00 p.m. on the same day.

First prize will be awarded for the largest fish caught, second prize will be awarded for the next largest fish and the third prize will be given to the person catching the most fish during the rodeo. There will also be a free drawing for some fishing tackle.

## Y-12er Has Perfect Table Tennis Mark

John Peters, of Y-12, was one of three players to go through the All-Carbine table tennis ladder being conducted during the past several months without a defeat. He won eight matches and lost none. The other two players with perfect records were D. K. Holmes, of Oak Ridge National Laboratory with a nine won mark; and W. B. Norley, K-25, with five triumphs.

P. J. Preston, another Y-12er, won the most matches during the season with 10 to his credit and only one defeat for a percentage of .910.

A round robin tournament now is being played by ladder contestants at the Wildcats Den, Robertsville Road and Oak Ridge Turnpike.

## Y-12 Archery Loop Will Shoot Sunday

The Y-12 Archery League participants will fire their first 14-target field round at the Smoky Mountain Range in Fountain City at 2 p.m. this Sunday, March 31. Following the shoot there will be a discussion concerning the possibility of shooting once a month at the Sportsmen's Club in Oak Ridge.

Any further information on the activities of the Archery League may be obtained from W. H. Hatfield, telephone 7784; L. R. Brooks, telephone 7444 or D. C. Martin, telephone 7369.



**WINNERS AND RUNNERS UP** in the Y-12 Volleyball League are shown above with their seasonal trophies. At left are the championship Hawks. Standing, from left, are Manager Horne, Len Noey, Lee Stutts, Lee Horton and G. B. Anderson. In front are Sam Campbell and Bill Moles. The second place Splits are at right. Standing are Manager John Harding, C. Wright, Clyde Hopkins and Joe Pattie. In front are Manager Charles Peterson and M. Ramsey. Team members absent when picture was made were Jim Halsey, Floyd Teno, Harley Orange, Ben Parteka and C. W. Ridings.

## Bumpers Keep Lead In Classic Circuit

The Bumpers continued to lead the chase in the Classic League last week by trouncing the Playboys by four markers while the Screwballs kept on the heels of the leaders by taking a four point win from the Wolves. Other action in the league found the All Stars racking up the Cubs for four tallies, the Rippers took three points from the Tigers, the Has Beens took three from the Swingsters and the Rebels and Wasps fought to a deadlock.

Hubert Tripp, of the Rippers, topped most of the individual honors by rolling a 213 scratch game, a 594 scratch series, boosted to 660 with handicap. Carl Frazier, of the Screwballs, tallied a 248 handicap game. The Has Beens swept all team honors by rolling a 875 scratch game, increased to 1051 with handicap, a 2407 scratch series and a 2935 handicap series.

League standing follows:

Team	W	L
Bumpers	19	5
Screwballs	17	7
Rippers	16	8
Swingsters	15	9
Playboys	13	11
Wasps	12	12
Has Beens	12	12
Wolves	10	14
Rebels	10	14
Cubs	8	16
All Stars	7	17
Tigers	5	19

## Y-12 Outdoorsmen—Can You Top This?

Y-12 fishermen and hunters have come up with some tall tales from time to time—but they will have to really extend themselves to top the "lulu" told by a man in New Mexico not so long ago. He was accused of shooting duck out of season. He maintained, however, that the bird was killed in the fall—not by gunfire. At any rate, he was fined \$50 and costs—probably for scaring the bird to death.



**A LIKELY CANDIDATE** for top honors in the Y-12 Annual Fishing Contest is this fine striped bass exhibited by Frank A. Stewart, Jr., of C Mechanical Operations. The bass was caught in Big Emory River by the Y-12er using a doll fly lure.

## Alley Cats Climb To Top Of Evening

The Alley Cats clawed their way to first place in the Evening Shift Bowling League last week by clipping the Hot Shots for a four-point whitewash win as the previously loop leading Do Littles were taking it in the chin from the Gutter Ballers for three points. In the other engagement the Sure Shots sunk the King Pins by three.

Aided by the 191 scratch 230 handicap game rolled by H. Meadows, the Gutter Ballers had top team scores of 781 and 1020. Knot, King Pins, had the best series scores of 506 scratch and 611 handicap. The Do Littles' 2128 scratch series and a 2827 handicap series by the Alley Cats also were tops of the night.

League standing follows:

TEAM	W	L
Alley Cats	23	13
Do Littles	21	15
Sure Shots	20	16
Gutter Ballers	17	19
Hot Shots	16	20
King Pins	11	25

## Mixed Loop Action Is Hot and Heavy

Action in the Y-12 Mixed League was hot and heavy last week as the Clippers managed to take three points from the Nip and Tucks while the second place Scrappers dropped three to the improving Units. The Oleos gave the Pin Cats a sound thrashing by a three point margin.

Carl Frazier, of the Units, rolled a 218 scratch game, boosted to 251 with handicap. J. C. Bryan, of the Clippers, came through with a 517 scratch series while Shirley Brown, of the Units, tallied a 623 handicap series. The Clippers swept the boards with a 648 scratch game, boosted to 819 handicap, a 1776 scratch series, increased to 2281 with handicap.

League standings follow:

Team	W	L
Clippers	38	10
Scrappers	31	17
Pin Cats	30	18
Units	28	20
Nip and Tucks	25	23
Oleos	18	30

## Marksmen Retain Pistol League Lead

The Marksmen continue to lead the Y-12 Pistol League by a narrow margin of one-half point after splitting two tallies with the Experts while the Masters took two big points from the Sharpshooters.

High scorer for the Marksmen was T. J. Bush with a 239 scratch while A. V. Bible, of the Experts, rung up a 289.215 handicap score. Dave Alford led the Masters with a 265 scratch boosted to 289.084 with handicap.

The league will fire again this Friday, March 29, at the Oak Ridge Sportsmen's Association Range.

League standing follows:

Team	W	L
Marksmen	20½	13½
Sharpshooters	20	14
Masters	18½	15½
Experts	9	25

## Rockwood, Ridge Golf Meets Set

### Organization Planned; Others Gather Later

Two golf leagues out of five planned for Y-12ers in Oak Ridge and nearby towns for summer season play will be organized at meetings to be held next week at the Recreation Office, Room 226, Bldg. 9704-2. All members of teams in these leagues last season and newcomers wanting to play are urged to attend the sessions covering leagues in their territory.

The first meeting will be for the Rockwood League at 1:30 o'clock Tuesday afternoon, April 2.

This will be followed by a meeting of the Oak Ridge League at the same hour on Thursday, April 4.

With preliminary plans for these leagues expected to be launched at the meetings, the picture will turn to softball when an organizational meeting for this sport will be held at 1:30 p.m., Tuesday, April 9, at the Recreation Office. All teams planning to compete this season are urged to have representatives present at this session.

#### More Golf Meetings Set

Knoxville golfers who played at the Whittle Springs course last season will be called to reorganize that league at a meeting at 1:30 p.m., Tuesday, April 16. On Thursday, April 11, at the same hour, Harriman players will be asked to attend a similar meeting. A new league for players near Lenoir City will be formed at 1:30 p.m., Thursday, April 18.

The varied program of recreation for Y-12ers this summer is intended for the benefit of as many employees as possible. In addition to golf and softball, tennis, horseshoe pitching and other competitive sports are planned and everyone wishing to participate in one or more of the activities and who has not already made plans to do so is asked to communicate with the Recreation Department, telephone 7751, where every effort will be made to assist them.

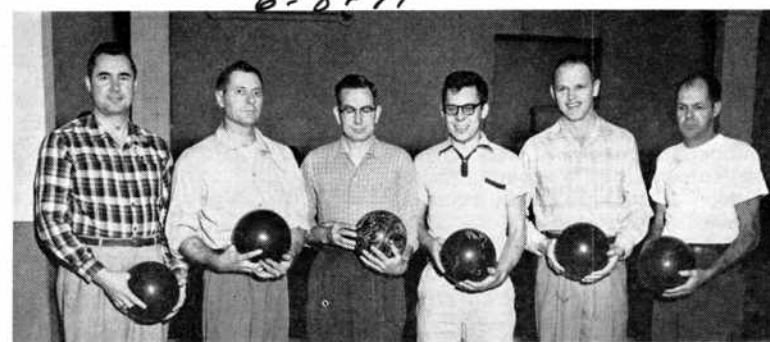
#### Five Tournaments Planned

In addition to the league play, five golf tournaments are planned for the summer months, with the sites being rotated between the various courses on which league play is staged. The tournaments will be held in April, May, June, July and August, with exact date and location to be announced later. Players in all leagues and those without league affiliation are eligible to compete for the fine prizes offered in each.

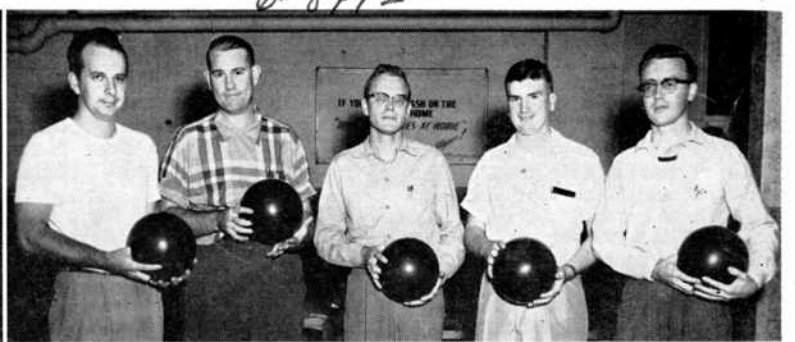
## B Shift Schedules Fishing Rodeo

The B Shift will hold a fishing rodeo on Thursday, April 11, starting at 12:01 a.m. and lasting until 4:30 p.m. at the Blue Springs Boat Dock, which is located south of Kingston on Highway 58.

Prizes will be offered for the best bass and crappie caught. Tickets for the rodeo may be obtained from any member of the B Shift Recreation Committee.



**A COUPLE OF SHARP BOWLING TEAMS** in Y-12 plant competition are shown above. At left are the Playboys, of the Classic League, who don't play around much when in alley activities and give opponents plenty of trouble. From left are Neal Dow, Sam Campbell, Dick Brothers, Dave



Smith, Ted Higgins and Jim Haggard. At right are the Engineers, of the C. League, who also have engineered a good record this season. These keggers are Jack Foresman, Don Troutman, J. W. Allen, Tom Bishop and Donald McAlister.



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## Y-12 Fishing Rodeo Now In Progress

The first Y-12 Fishing Rodeo of the current season is now in progress and is slated to last until midnight on Sunday, June 2.

Fine articles of merchandise such as fishing and hunting equipment and other items will be offered as first and second prizes in the various species of fish eligible for the rodeo competition. No fisherman is eligible for more than one prize but may enter fish of as many eligible species as desired.

The fish eligible for entry into the rodeo are largemouth, smallmouth and striped bass, sauger and wall-eye pike, crappie, trout, bream-bluegill. The top fish in each class will be determined by weight and in case of ties length and girth in that order will determine the winner.

All catches must be verified by dock operators or other disinterested witnesses who must sign the entry blanks giving the measurements and weight of the fish.

Only fish caught in Tennessee waters on a rod or cane pole are eligible for the rodeo.

Entry blanks may be obtained from the various shift recreation committees and also from the Recreation Office, Bldg. 9704-2, telephone 7753. All entry blanks must be returned to the Recreation Office by noon on Wednesday, June 6, for consideration by judges for rodeo prizes.

## Frog Foils Futile Fisherman's Fun

Some wild fish stories even come out of the Tennessee State Game and Fish Commission. Dave Goodrich, assistant chief of enforcement for the commission, tells what he says is a true story about an angler who decided to use a frog as bait. He selected a small, green frog that was full of life. Attaching the hook to the frog he cast his line and sat on a stream bank awaiting a bite. He waited and waited—no bites. After more than an hour of fruitless fishing his bored glance turned to a spot of green on a nearby log. It proved to be "his" frog—which had swum out to the log and was placidly watching the efforts of the futile fisherman.

## Let Wildlife Young Alone, Public Urged

The Tennessee Game and Fish Commission has made its annual plea to well-meaning persons who try to capture the young of wild animals and domesticate them.

"The young of our wild animals will be born within the next few weeks," the commission points out. "These babies are cute and it often is hard to resist handling them or taking them home."

"If young wild animals are handled too much, their mothers sometimes will abandon them. If they are captured and it later becomes necessary to free them, they have not learned to take care of themselves in the wild and probably will starve or be killed. The greatest kindness is to leave them alone."

## Nuclear Society Sets Meeting In Pittsburgh

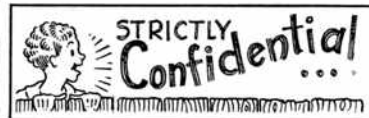
**1,000 Leaders Expected At Session In June**

The American Nuclear Society, a professional society devoted to the advancement of nuclear science and engineering, will hold its third annual meeting June 10, 11, 12, 1957, at the Penn-Sheraton Hotel in Pittsburgh, Pa.

The increased availability of information recently released under the Atomic Energy Commission declassification program will add to the scope and interest of this meeting. More than 1,000 of America's leading engineers and scientists are expected to attend.

The society, which is open to all professionally qualified individuals engaged in one or more fields of nuclear science or engineering, has grown to a membership of about 2,000 during the two years since its origin.

Further information concerning the activities of the American Nuclear Society and membership applications may be obtained by writing the office of the executive secretary, American Nuclear Society, P. O. Box 963, Oak Ridge, Tenn.



Continued from Page 2

losing his bachelor's freedom—apparently through marriage a few days ago (if Bre'r King desires to report more details this space is open) . . . **H. E. Hamilton** is back after a short illness.

General Machine Shop reports **G. W. Puckett** is vacationing at Kingston . . . Several sick folks are reported . . . Get well wishes to **C. S. Patty** and **Tom Webber** in Oak Ridge Hospital . . . Others ailing at home include **R. V. Hawk**, **A. T. Sharp**, **C. C. Hickey**, **G. A. Tedder**, **A. L. Cardwell** and **C. C. Chamberlain**.

### CHEMICAL

The Cylum welcomes Chemical back after a too long absence . . . **Walt Cameron** and the missus visited the beautiful Azalea Gardens in Charleston, S. C., recently . . . **Nancy Stutts** and her family week-ended in Florence, Ala., on a visit to her daughter . . . **Ruby Jones** vacationed at home . . . Other vacationers were **M. H. Jenkins** in Evansville, Ind., last week and **W. C. Walker** in Knoxville this week . . . **E. V. Larmoyeaux** is the Proud Pop of a son born March 15 at Oak Ridge Hospital—he's named **Mark Steven** and weighed seven pounds . . . **Jack Bounds** is back from Naval Reserve training in Florida.

Wait until next week for a few more remarks.



## UCNC Tungsten Mine And Mill Workers In California Work Higher And Lower Than Any Other UCC Employees

**Climb 12,000 Feet Up To Dig 2,700 Feet Deep**

The men at Union Carbide Nuclear Company's Pine Creek tungsten mine in California have the distinction of working on higher ground than any other Union Carbide employees—and often, at the same time, the farthest distance underground. They work at an altitude of 12,000 feet above sea level, and their mine goes 2,700 feet into the earth.

**Mill Near Bishop, Cal.**  
The Pine Creek operation includes both the mine and a mill for processing tungsten ores. The mill lies in a valley surrounded by the rugged High Sierra Mountains near Bishop, Cal. Behind the mill a switchback road climbs to the first mine entrance. Here, at an elevation of 9,300 feet, a level tunnel burrows straight into the mountains for a mile and a half. A 2,700-foot shaft starts at the end of the tunnel and rises to the top of the mountain. This shaft is higher than the Empire State Building.

Not only do the Pine Creek miners work higher and deeper than other UCC employees, but also at one time they were probably the most isolated. During the severe winter of 1936-37 the men at the mine were snowed in for three months by an early blizzard. The following year the snows again came early. This time supplies were shipped in by tractor. When the tractors couldn't make it, food and equipment came in by dog team. After the thaw, tractor tread marks could be seen on boulders 27 feet above the road.

In the years that followed, new roads, housing, tunnels and tramways were built. Today, Pine Creek Mine and Mill is one of the world's largest tungsten installations.

Pine Creek Tungsten Mine and Mill dates back to 1916 when prospector Arch Beauregard discovered tungsten and molybdenum deposits. The mine was worked for the next six years. Then it was shut down. In 1936 the mine property was bought by United States Vanadium Corporation, a unit of Union Carbide. When Union Carbide Nuclear Company was formed in 1955 it took over the mining operations of USV in Colorado and California.

There's one advantage to that rugged terrain and snowy climate, by the way. When the snows come, the men and women of UCNC can have some of the best skiing in America—at Mammoth Mountain, the well-known ski resort located nearby.

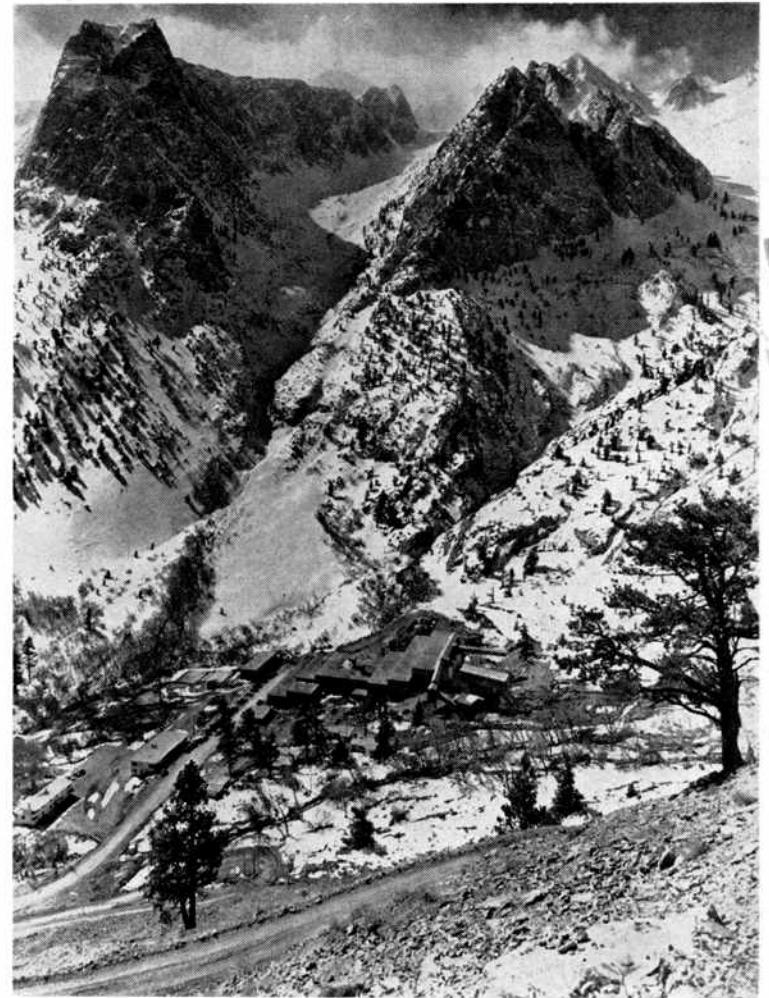
## Hornets Winners In Y-12 C League

The Hornets kept their winning ways last week in the C League of Y-12 Bowlers by winning four big points from the Deltas while the Murderer's Row team, which is leading the circuit, could only manage a split of four points with the Engineers. Other league action saw the Sooners and Rusty Five take three points from the Q Balls and Cards, respectively.

Williams, of the Q Balls, tallied a 203 scratch game, a 533 scratch series, boosted to 620 with handicap. Cowan, of the Cards, took handicap game honors with a 250. The Hornets took team honors by rolling a 800 single game, boosted to 988 with handicap, a 2362 scratch series, boosted to 2926 with handicap.

League standing follows:

Team	W	L
Murderer's Row	38	14
Hornets	34	18
Deltas	27	25
Sooners	27	25
Q Balls	25	27
Engineers	24	28
Rusty Five	23	29
Cards	11	41



UNION CARBIDE NUCLEAR COMPANY'S tungsten mine in the High Sierra Mountains near Bishop, Cal., is shown above.

## Rides Wanted, Offered

**Car pool members wanted from Woodland Section, Oak Ridge, to North Portal, straight day.** Floyd Stanek, plant phone 7668, home phone 5-6269.

**Ride wanted or will join car pool from Bearden Section, Knoxville, to Central or North Portal, straight day.** J. M. Mills, Jr., plant phone 7998, home phone Knoxville 8-0980.

**Ride wanted from Jacksboro Pike Section, Knox County, to West Portal, straight day.** E. W. Greenlee, home phone Knoxville 6-5225.

**Want to participate in car pool from East Drive in Oak Ridge to North Portal, straight day.** R. G. Wiley, plant phone 7595, home phone 5-1721, Oak Ridge.

**Two riders wanted from East Knoxville by way of Magnolia Avenue to any portal except Bear Creek, straight day.** C. L. Newcomb, plant phone 7142, home phone 4-5671, Knoxville.

**Car pool participants wanted from vicinity West Outer Drive and Pennsylvania Avenue in Oak Ridge to North Portal, straight day.** J. M. McMaster, plant phone 7-8321, home phone 5-3742.

**Want to join car pool from Highland View Section, Oak Ridge, F Shift.** J. E. Whittlesey, plant phone 7753, home phone Oak Ridge 2-1539.

**Ride wanted or will join car pool from North Hills Section, Knoxville, to any portal, H Shift.** Charles Catlett, home phone Knoxville 4-8957.

Careful with a car full.



## Ramblers On Top In Shift League

The Crocodiles rose up and blasted the front running Ramblers by three tallies last week in the B Shift Bowling League. The Challengers took a whitewash win from the Bumble Bees while the Seven Ups rang up four points via the forfeit route.

N. Evans, of the Seven Ups, rang the bell with a 193 scratch contest, boosted to 233 with handicap. Evans also took the handicap series honors with a 614. J. B. Peters, of the Challengers, chalked up a 496 scratch series. The Challengers came up with a 726 scratch game, and a 2020 scratch series. Other team honors went to the Crocodiles with a 939 handicap game and a 2789 handicap series.

League standing follows:

	W	L
Ramblers	27	9
Challengers	25	11
Seven Ups	20	16
Bumble Bees	18	18
Crocodiles	18	18

## Uncle Sam Still Largest Employer In Entire World

The Federal Government remains the largest employer in the world, with a total of 2,410,000 workers. The U. S. Civil Service Commission says:

"Big Government" is the by-product of wars, international crises, continuing increases in population, the growing complexity of the economy and public demand for services."

Prior to 1939, the highest total government employment was 907,000. During World War II it rose to a top of 3,786,600. Later it dropped just below 2,000,000, rising again during the Korean "police action" to 2,600,000. Then it dropped slightly, about 200,000, to the present level.

One out of every six work accidents are due to falls. About 3,000 persons are killed on the job every year because of falls.